ASHUTOSH SHARMA

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A computer science student at IIT Kharagpur with a vision to make the world a better place before I die.
Outside that, I produce music and explore space theories.

EDUCATION

Indian Institute of Kharagpur, Kharagpur, West Bengal — Expected Graduation 2027
B.Tech in Computer Science and Engineering

Calcutta Public School, Kolkata, West Bengal — Graduated 2023
ISC PCM, ISCE

WORK EXPERIENCE

HumanBit, *Frontend Developer Intern (Paid)* — (July 2025–Present)
Bengaluru, Karnataka, India

Mansio.AI, *Full-Stack Developer Intern (Paid)* — (June 2025–July 2025)
Bengaluru, Karnataka, India

Nurture Collectives, *Founder / Audio Producer* — (June 2020–Present)
Kolkata, West Bengal

PROJECTS

- developing lang.as - multi-language hybrid compiler with high-performance array operations
- swmro [closed-source] - full-stack waste-management simulation platform using real-time sensors to optimize efficiency for governments, real-estate, and campuses.
- created poplyrics-1k - a custom dataset for training LLaMA 3.2-3b
- developed ablespletter – a max audio separation tool for ableton
- build 4thcipher – result of my interest in cryptography and encryption techniques
- and a lot more on my https://github.com/ashuwhy

SKILLS AND INTERESTS

- *Computer Skills:*
  - languages - python (primary), java/kotlin, javascript/typescript, c/c++, assembly, rust, etc.
  - ml frameworks**:** scikit-learn, xgboost, lightgbm, tensorflow, pytorch.
  - nlp & transformers**:** hugging face transformers (e.g., bert-family, malbert), tokenizers, byte-level models.
  - other technologies - react.js, next.js, vue.js, svelte 5, django, flask, pygame, essentia.js.
  - tools - git, linux, figma, docker, cloud platforms
- *Language Skills:*
  - English – C1 Advanced
  - Hindi – C1 Advanced
  - Spanish – A1 Beginner

- *Interests:*
  - programming & coding - executing my ideas and solutions into reality
  - ai/ml - learning about the latest in tech and implementing them in projects
  - music production - creating mainly pop and electronic tracks, my taste ranges from classical to the latest mainstream
  - space exploration – interested about satellite systems and space missions; inspired by voyager 1 & 2's onboard computers; regularly explore celestial data with nasa's eyes, celestia, and stellarium.